

INDEX

- Abderhalden, E. (Ed.), Handbook of Biological Methods, 88, 363
- Abderhalden, E., and Bürger, M. (Eds.), Journal for Studies on Aging, 102
- Adair, F. L., Maternal Care Complications, 102
- Adams, G. P., *et al.*, Knowledge and Society, 73
- Adams, L. A., An Introduction to the Vertebrates, 249
- Adolescent sterility, 13, 192
- in chimpanzee, 25
- in lower mammals, 17
- Adshead, Gladys, Something Surprising, 498
- Age at menarche, 204
- Ages of Indian mothers, 200
- Alihan, M. A., Social Ecology, 353
- Allee, W. C., The Social Life of Animals, 86
- Allen, G. M., Bats, 477
- The Mammals of China and Mongolia, 85
- Ammonia, in urine, 456
- Amphibians, 194
- Anderson, C. G., An Introduction to Bacteriological Chemistry, 104
- Annals of the Faculty of Medicine, Porto Alegre, 490
- Ansley, A. K., An Introduction to Laboratory Technique, 342
- Antihormones, 325
- Appleton, A. B., *et al.*, Surface and Radiological Anatomy, 95
- Arber, A., Herbs: Their Origin and Evolution, 91
- Armstrong, N. A. D., After Big Game in the Upper Yukon, 85
- Arthropod blood, 149
- Aschoff, L., Normal and Pathological Anatomy of Old Age, 373
- ASHLEY-MONTAGU, M. F., Adolescent Sterility, 13-35, 192-220
- Astacus*, 158
- Aufrère, L., *et al.*, Life in the Desert Regions of the Old World, 72
- Autohaemorrhage, 176
- Babcock, E. B., and Stebbins, G. L., Jr., The American Species of *Crepis*, 339
- Babcock, H. L., Field Guide to New England Turtles, 249
- Bailey, L. H., The Garden of Larkspurs, 482
- Baily, J. L., Jr., Physiological Group Differentiations in *Lymanus columella*, 477
- Bain, W. A., Schafer's Experimental Physiology, 261
- Baitsell, G. A., Science in Progress, 498
- Baker, L. E., The Pupillary Response Conditioned to Subliminal Auditory Stimuli, 267
- Baker, O. E., A Graphic Summary of Farm Animals and Animal Products, 479
- Baker, S. Josephine, Fighting for Life, 488
- Banu, G., Race Hygiene, 465
- Barbé, A., Studies on the Embryology of the Central Nervous System of Man, 484
- Barrett, C., Wild Nature in Australia, 230
- Baruk, H., Medical Psychiatry; Physiological and Experimental, 108
- Baschmakoff, A., Fifty Centuries of Ethnological Evolution in the Region of the Black Sea, 238
- Bastai, P., and Dogliotti, G.-C., Physiopathology of the Senile, 368
- Bates, Daisy, The Passing of the Aborigines, 345
- Baugh, H. (Ed.), General Semantics. (Papers from First American Congress), 267
- Beaty, J. Y., Sharp Ears, the Baby Whale, 360
- Beaver, W. C., Fundamentals of Biology, 343
- Beck, S. J., Personality Structure in Schizophrenia, 266
- de Beer, G. R. (Ed.), Evolution, 67
- Behavior, dominance-subordination, 124
- immature females, 128
- mature females, 125
- patterns of, 134
- Bellelli, F., Anatomy of the Newborn, 366
- Benedict, F. G., Vital Energetics, 256
- and Lee, R. C., Hibernation and Marmot Physiology, 259
- Bensley, B. A., Practical Anatomy of the Rabbit, 95
- Bensley, R. R., and Bensley, S. H., Handbook of Histological and Cytological Technique, 94
- Bent, A. C., Life Histories of North American Birds of Prey. (Pt. 2), 247
- Bercaw, Louise O., Bibliography on Land Utilization, 1918-36, 83
- Berland, L., The Spiders, 87
- Bernacchi, L. C., Saga of the "Discovery", 341
- Bernal, J. D., The Social Function of Science, 470
- Beutner, R., Life's Beginning on the Earth, 336
- Bibliography of Cook Books, Oxford City Libraries, 384
- Bieger, W., and Wahlström, A., Wild Mammals of Central Europe, 248
- Bier, A., New Aspects of Heredity, 229
- BIOCHEMISTRY (book reviews), 102, 261, 375, 492
- Biological effects of population density in lower organisms, 35
- time, 277
- BIOMETRY (book reviews), 106, 264, 378, 493
- Bisby, G. R., *et al.*, The Fungi of Manitoba and Saskatchewan, 365

- Blacklock, D. B., and Southwell, T., A Guide to Human Parasitology, 261
- Block, R. J., The Determination of the Amino Acids, 262
- Blood, acidity of, in arthropods, 154
clotting of, 152
specific gravity of, in arthropods, 153
- Boas, Franz (Ed.), General Anthropology, 238
- Bock, Fr., and Pigorini, L., The Silkworm, 359
- Bodansky, M., Introduction to Physiological Chemistry, 103
and Fay, Marion, Laboratory Manual of Physiological Chemistry, 103
- Bodenheimer, F. S., Problems of Animal Ecology, 247
- Body fluids, 456
- Böe, F., Studies on Prolonged Pregnancy in Rats, 375
Bembyx mori, 433, 442
- Bonneville Hatchery, for salmon eggs, 413
- BOTANY (book reviews), 90, 249, 361, 480
- Bower-Shore, C., Character in Fish, 88
- Boyce, J. S., Forest Pathology, 91
- Bradley, J. H., Patterns of Survival, 226
- Braun tubules, 398
- Brandes, G., The Life History of Buschi, an Orang-outang, 479
- Branson, E. B., Stratigraphy and Paleontology of the Lower Mississippian of Missouri, Pt. 1, 338
- Brill, J. A., et al., The Nervous System, 256
- Brimley, C. S., The Insects of North Carolina, 249
- Brock, F., Studies on Types and Environment, 480
- Brocq-Rousseau, D., and Roussel, G., Normal Serum, 491
- Brown, F. J., Refugees, 471
- Brown, M. (Ed.), Index to North American Ferns, 364
- Brown, W., Psychological Methods of Healing, 495
- Brumley, O. V., A Text-book of the Diseases of the Small Domestic Animals, 102
- Buchanan, Estelle D., and Buchanan, R. E., Bacteriology, 254
- Buchanan, S., The Doctrine of Signatures, 97
- Buchner, P., Symbiosis of Animals with Plant Microorganisms, 343
- Buchsbaum, R., Animals without Backbones, 246
- Buck, J. L., Land Utilization in China, Vols. I, II, III, 348
- Buck, P. H., Vikings of the Sunrise, 356
- Bücklers, M., et al., Diseases of the Eye, 340
- Buffalo Society of Natural Sciences, Seventy-Five Years, 232
- Burdon, R. L., Medical Microbiology, 489
- Buros, O. K., Research and Statistical Methodology, 378
The Nineteen Thirty-Eight Mental Measurements Yearbook of the School of Education of Rutgers University, 383
- Bush, G. L., et al., A Biology of Familiar Things, 467
- Canella, M. F., Mutation Theory of Modern Biology, 465
- Cannon, W. B., The Wisdom of the Body, 491
- Carbohydrates in arthropod blood, 165
- Carleton, H. M., Schafer's Essentials of Histology, 367
- Carnegie Institution of Washington, Contributions to Embryology, Vol. XXVII, Nos. 160-169, 254
- Carrel, A., and Lindbergh, C. A., The Culture of Organs, 98
- Castellani, Sir Aldo, Climate and Acclimatization, 78
- Caulery, M., Progress of Experimental Embryology, 366
- Cell of Schwann, 387
- Cetaceans, 455
- Chaney, R. W., et al., Miocene and Pliocene Floras of Western North America, 227
- Chapman, F. M., Life in an Air Castle, 230
- Chemistry and sex, 460
- Chiao, C. M., et al., An Experiment in the Registration of Vital Statistics in China, 81
- Chibnall, A. C., Protein Metabolism in the plant, 486
- Chilomenas*, 7
- Chimpanzee, sterility of, 25
- Chironomus*, 440
- Chisholm, W. H., Vivid Experiences in Korea, 83
- de Chrapowicki, Maryla, Spectro-Biology, 99
- Christophe, L., Death from Burns, 489
- Cladocera*, 137
- Claoué, Ch., The Inner Ear; Anatomical, Pathological and Clinical Studies, 94
- Clark, P. F., Alice in Virusland, 250
- CLARKE, GEORGE L., The Relation between Diatoms and Copepods as a Factor in the Productivity of the Sea, 60-64
- Claxton, W. J., Experiments in Plant Life, 252
- Clotting of blood, in arthropods, 152
- Cohn F., Bacteria: the Smallest of Living Organisms, 481
- COKER, R. E., The Problem of Cyclomorphosis in *Daphnia*, 137-148
- Colc, J. S., Correlations between Annual Precipitation and the Yield of Spring Wheat in the Great Plains, 483
- Colson, P., Georgian Portraits, 474
- Commission of Secondary School Curriculum, Science in General Education, 110
- Conant, R., The Reptiles of Ohio, 88
- and Bridges, W., What Snake is That? 479
- Continuity of life, 281
- Coon, C. S., The Races of Europe, 471

- Cooper, E. A., and Nicholas, S. D., Aids to Biochemistry, 103
- Copepods, 60
- Corner, G. W., Attaining Manhood, 106
- da Costa, A., Elements of Embryology, 156
- Coston, H. E. T., Speckled Nomads, 360
- Courtot, Ch., *et al.*, Organic Chemistry, Vol. 14, 492
- Cowdry, E. V., A Text-book of Histology, 93 (Ed.), Problems of Ageing, 370
- Crandall, L. A., An Introduction to Human Physiology, 98
- Crane, M. B., and Lawrence, W. J. C., The Genetics of Garden Plants, 467
- CRAWFORD, C. W., Species Specificity of the Gonadotropic Factors in Vertebrates, 311-331
- Crichton-Browne, Sir James, The Doctor Remembers, 240
- Crum, W. L., *et al.*, Introduction to Economic Statistics, 164
- Curtis, W. C., and Guthrie, Mary J., Textbook of General Zoology, 244
- Cyclomorphosis in *Daphnia*, 139
- Dalcq, A. M., Form and Causality in Early Development, 484
- Daniel, R. J. (Ed.), Proceedings and Transactions of the Liverpool Biological Society, Vol. 51, 231
- Daphnia*, 51, 137, 151
- Darling, F. F., Wild Country, 341
- Darlington, C. D., The Evolution of Genetic Systems, 337
- Darrah, W. C., Principles of Paleobotany, 339
- Darwin, 220
- David, F. N., Tables of the Ordinates and Probability Integral of the Distribution of the Correlation Coefficient in Small Samples, 107
- Davis, W. B., The Recent Mammals of Idaho, 478
- Dawson, C. D., and Dorn, M. V., Plant Chemistry, 365
- Deaver, G. G., Fundamentals of Physical Examination, 372
- Defries, Amelia, Sheep and Turnips: Being the Life and Times of Arthur Young, F.R.S., 481
- DE OMINIBUS REBUS ET QUIBUSDEM ALIIS (book reviews), 109, 167, 383, 498
- Depigmentation, 301
- Dewar, Douglas, More Difficulties of the Evolution Theory, 68
- Diatoms and Copepods, 60
- Dickinson, R. L., Control of Conception, 164
- Differentiation, 141
- Discovery of the cell of Schwann in 1839, 387
- Dixon, J. S., Birds and Mammals of Mount McKinley National Park, 88
- Dollard, J., *et al.*, Frustration and Aggression, 381
- Dominance-subordination patterns, 134
- Doorly, Eleanor, The Microbe Man, 351
- Drosophila*, 35, 439
- larval growth of, thyroid fed, 440
- Duggan-Cronin, A. M., The Banru Tribes of South Africa, 475
- Duke, Winifred, Trial of Field and Gray, 350
- Dunbar, Sir George, Other Men's Lives, 81
- Duncan, C. D., A Contribution to the Biology of North American Vespine Wasps, 361
- Duration of life, 39
- Echinometra*, 438
- Ecology looks homeward, 332
- Edge, P. G., Medical and Sanitary Reports from British Colonies, Protectorates and Dependencies for the Year 1936, 370
- Effects of feeding thyroid substance, 189
- von Eickstedt, E. F., History of the Races of Mankind, Vol. 1, No. 6, 357; No. 7, 475
- Einarson, L., and Ringsted, A., Effect of Chronic Vitamin E Deficiency on the Nervous System and the Skeletal Musculature in Adult Rats, 160
- Ellis, C., and Swaney, M. W., Soilless Growth of Plants, 90
- Emile-Weil, P., and Perlès, Suzanne, Puncture of the Sternum, 374
- Eskelund, V., Structural Variations of the Human Iris and Their Heredity, 69
- Eskew, G. L., Guinea Pigs and Bugbears, 159
- Euglena*, 1
- Evans, A. M., Mosquitoes of the Ethiopian Region. II.—Anophelini, 145
- Evolution, 220
- Evolution (book reviews), 67, 126, 336, 464
- Experimental hyperthyroidism, 300
- Fabre, J.-H., Marvels of the Insect World, 358
- Fairchild, D., The World Was My Garden, 249
- Fanstone, R. M., Color Photography for Beginners, 271
- Faris, R. E. L., and Dunham, H. W., Mental Disorders in Urban Areas, 380
- Fassett, N. C., The Leguminous Plants of Wisconsin, 362
- Fearn, Anne W., My Days of Strength, 473
- Fecundity, of *Drosophila*, 41
- of women, 195
- Ferenczi, S., Thalassa: A Theory of Genitality, 163
- Fertility ratio, in mice, 17
- ФІТЦЕНК, E. S., JR., The Water Balance in Marine Mammals, 451-459
- Field, Hazel E., The Fetal Pig, 367
- Fiene, F., and Blumenthal, S., Handbook of Food Manufacture, 375
- Fink, A. E., Causes of Crime, 351
- Fischel, W., Animal Psychology, 381

- Fischer, R. A., Statistical Methods of Research Workers, 264
- Fish migration, 425
- Fletcher, P., Life Without Fear, 381
- Folsom, J. K. (Ed.: Various Contributors), Plan for Marriage, 261
- Fontana, 394
- Ford, E. B., The Study of Heredity, 70
- Fox, H., Chronic Arthritis in Wild Mammals, 491
- Frazer, Sir James G. (R. A. Downie, Ed.), The Native Races of Africa and Madagascar, 352
- Fritsch, F. E., and Salisbury, E. J., Plant Form and Function, 253
- Fritz, M. F., Collection and Presentation of Statistical Data in Psychology and Education, 379
- Furnas, J. C., So You're Going to Stop Smoking! 489
- Gaines, S. H., *et al.*, Bibliography on Soil Erosion and Soil and Water Conservation, 342
- Garland, H., The Mystery of the Buried Crosses, 496
- Gaskell, Augusta, Whence? Whither? Why? 383
- GAUSE, G. F., The Problem of Integration, 65-67
- GENERAL BIOLOGY (book reviews), 71, 229, 340, 467
- Genetic ratio, 45
- GENETICS (book reviews), 69, 228, 339, 465
- George, W. H., The Scientist in Action, 271
- Gesell, A., *et al.*, Biographies of Child Development, 382
- Gilbert, M. S., Biography of the Unborn, 256
- Gillespie, A. S., Life's Journey Through Time, 474
- Glass, D. V. and Blacker, C. P., Population and Fertility, 493
- Godwin, H., Plant Biology, 483
- Gonad sensitivity, 322
- Gonadotropic specificity, 313
- Goodall, A., Aids to Histology, 93
- Gorbman, A., 311
- Gordon, Mona, The Children of Tane, 476
- Gorilla, 32
- Gortner, R. A., Outlines of Biochemistry, 103
- Gottlieb, B., and Orban, B., Biology and Pathology of the Tooth and Its Supporting Mechanism, 258
- Graham, M., Phytoplankton and the Herring, Pt. 3, 232
- Gray, A. A., The Basis of Tissue Evolution and Pathogenesis, 96
- Gray, I. E., Laboratory Directions for Comparative Vertebrate Anatomy, 93
- Green, H. W., Demographical Data, Cleveland, Ohio, 1931-1937, 493
- Infant Mortality and Economic Status, 493
- Natural Increase and Migration; Greater Cleveland 1919-1937, 243
- Greenwood, W. O., Biology and Christian Belief, 384
- Gregory, Jennie, ABC of the Vitamins, 101
- Gregory, W. K., Fossil Anthropoids of the Yale-Cambridge Indian Expedition of 1935, 228
- Growth, 20
- requirements, of flagellates, 4
- Gustafson, A. F., *et al.*, Conservation in the United States, 467
- Haemolymph, in arthropods, 164
- Haggard, H. W., Man and His Body, 257
- The Science of Health and Disease, 257
- Halbwachs, M., Morphology of the Social Structure, 355
- Haldane, J. B. S., The Chemistry of the Individual, 70
- HALL, R. P., The Trophic Nature of the Plant-Like Flagellates, 1-12
- Hall, Sir Daniel, Our Daily Bread, 242
- Halliburton, W. D., and McDowall, R. J. S., Handbook of Physiology and Biochemistry, 100
- HAMMOND, E. CUYLER, Biological Effects of Population Density in Lower Organisms, 35-60
- Hann, Helen N., and Stiebeling, Hazel K., Food Consumption of Children at the National Child Research Center, 260
- Harrow, B., Biochemistry for Medical, Dental and College Students, 105
- Hartmann, M., Sex Organs and Sex Determination in Plants and Animals, 377
- Haskins, C. P., Of Ants and Men, 478
- Haupt, A. W., An Introduction to Botany, 251
- Haurowitz, F., Progress in Biochemistry. Part III, 104
- Hayward, H. E., The Structure of Economic Plants, 252
- Hazemann, R. H., Social Hygiene of Cities. Pt. I. Urbanism and Social Work, 82
- Hector, J. M., Introduction to the Botany of Field Crops, 480
- Hegner, R., Big Fleas Have Little Fleas, 230
- et al.*, Parasitology, 88
- Heizer, V., You're the Doctor, 487
- Helmets, in *Cladocera*, 140
- origin of, 142
- Henderson, Y., Adventures in Respiration, 100
- Henriksson, F., The Nobel Prizes and Their Founder Alfred Nobel, 355
- Herrick, F. H., Audubon the Naturalist, 74
- Herskovits, M. J., Acculturation, 239
- Dahomey: An Ancient West African Kingdom, 234
- Herter, K., The Biology of the European Hedgehog, 357
- Hess, W. R., Regulation of the Circulation and Respiration of the Mid-Brain, 100

- Hessler, J. C., *et al.*, Understanding Our Environment, 498
- Heuss, E., Rational Biology: A Critique of Driesch's Theory of Vitalism, 71
- Hewett, E. L., Ancient Andean Life, 468
- Hickling, C. F., The English Plaice-Marking Experiments 1929-32, 84
- Hill, W. W., The Agricultural and Hunting Methods of the Navaho Indians, 81
- Himes, N. E., Practical Birth-Control Methods, 263
- Hirsfeld, L., Blood Groups, 487
- Hobley, C. W., Bantu Beliefs and Magic, 241
- Hogben, L., Political Arithmetic, 80
Science for the Citizen, 269
- Holecck-Holleschowitz, C., Breeding Domestic Animals, 466
- Holman, L. J., Simplified Statistics, 378
- Holman, R. M., and Robbins, W. W., A Textbook of General Botany, 251
- Home Institute of the N. Y. Herald Tribune, America's Cook Book, 84
- Homing instinct in salmon, 425
- Hooton, E. A., Crime and the Man, 344
The American Criminal, 344
- Howell, A. B., Gross Anatomy, 486
- Hrdlička, Aleš, Practical Anthropometry, 494
- Huber-Pestalozzi, G., The Phytoplankton of Fresh Water, 92
- Hudson, A. E., Kazak Social Structure, 80
- Hughes-Gibb, Eleanor, Trees and Men, 254
- HUMAN BIOLOGY (book reviews), 73, 232, 344, 468
- Hunter, L., Domestic Pests, 478
- Hunter, R. H., Aids to Embryology, 95
- Hylander, C. J., The World of Plant Life, 480
- Hyperthyroidism, 432
- Hypophyseal extracts, 312
- Hypotonic media, 163
- Inheritance, of fertility, 44
- Innes, J. W., Class Fertility Trends in England and Wales, 1876-1934, 492
- Invertebrates, thyroid feeding of, 434
- Iodine metabolism, 293
- Jackson, A. T., Picture-Writing of Texas Indians, 236
- Jackson, C., The Life of Chevalier Jackson, 77
- Jeffrey, Mary P., Dr. Ida: India, 357
- Jensen, H. F., Insulin: Its Chemistry and Physiology, 261
- Johnson, W., Language and Speech Hygiene, 495
- Jordan, E. O., A Textbook of General Bacteriology, 90
- Jull, M. A., Poultry Husbandry, 86
- Just, E. E., The Biology of the Cell Surface, 370
- Kagan, S. R., Life and Letters of Fielding H. Garrison, 242
- Kahn, F., Our Sex Life, 377
- Kallman, F. J., The Genetics of Schizophrenia, 128
- Kashkarov, D. N., Fundamentals of Animal Ecology, 86
- Keen, A. Myra, and Frizzell, D. L., Illustrated Key to West North American Pelecypod Genera, 480
- Keesing, F. M., The Menomini Indians of Wisconsin, 474
- Keliher, Alice V. (with the Commission of Human Relations), Life and Growth, 266
- Keller, R., Electrical Groups in Biology and Medicine, 261
- Kellogg, Vernon: 1867-1937, 357
- Kenly, Julie C., Little Lives, 87
- Kermack, W. O., and Eggleston, P., The Stuff We're Made of, 375
- Kessel, E. L., The Embryology of Fleas, 485
- King, H. D., Life Processes in Gray Norway Rats during Fourteen Years in Captivity, 466
- van der Klaauw, C. J. (Ed.), Bibliography of Theoretical Biology (1925-29), 73
- Klauber, L. M., A Statistical Study of the Rattlesnakes, 107
- Koch, W. F., The Chemistry of Natural Immunity, 375
- Kowalewski, G., Fundamentals of Higher Mathematics, 494
- Koya, Y. (Ed.), Tuberculosis in Rural Japan, 259
- Krafft, C. F., The Chemical Organization of Living Matter, 105
- Kroeber, Elsbeth, and Wolf, W. H., Adventures with Living Things, 231
- Kuhn, O., Invertebrate Phylogenies Based on Paleontological Findings, 339
The Phylogeny of Vertebrates Based on Paleontological Records, 227
- La Barre, W., The Peyote Cult, 81
- Lamb, F. H., Sagas of the Evergreens, 251
- Landis, C., and Hunt, W. A., The Startle Pattern, 380
and Page, J. D., Modern Society and Mental Disease, 266
- Landmarks in Medicine, Laity Lectures of the N. Y. Academy of Medicine, 371
- Larsell, O., Textbook of Neuro-Anatomy and the Sense Organs, 366
- Laufer, B., The American Plant Migration, 250
- Lee, H., Fox in the Cloak, 267
- Lefèvre, J., A Critique of Biology, 232
- Lehmann, E., and Martin O. (Eds.), A Handbook of German Biologists, 72

- Leiner, M., Physiology of the Breathing Mechanism of Fish, 160
- Leith-Ross, Sylvia, African Women, 346
- Lenzen, V. G., Procedures of Empirical Science, 112
- Lepeschkin, W. W., Colloidal Chemistry of Proto-plasm, 105
- Leraas, H. J., Ecological Distribution of the Mam-mals in the Cranbrook Area, 249
- Leucocytic agglutinations, 152
- Levy, H., A Philosophy for a Modern Man, 111
- Lewis, E., In Search of the Gyr-Falcon, 243
- Lichtig, Ignaz, The Origin of Life, 128
- Life tables, for *Drosophila*, 37
- Lawson, A. W., The Processes of Evolution, 220-225
- Linfield, S. L., Laws Relating to Birth Control in the United States and Its Territories, 105
- Link, H. C., The Rediscovery of Man, 265
- Lockley, R. M., I Know an Island, 340
- Loeper, M., *et al.*, Intoxications and Alimentary Disturbances, 99
- Loomis, W. E., and Shull, C. A., Experiments in Plant Physiology, 483
- Luck, J. M., and Hall, V. E. (Eds.), Annual Review of Physiology, Vol. I, 487
- and Noller, C. R. (Eds.), Annual Review of Bio-chemistry, Vol. VII, 104
- Luyet, B. J. (Ed.), Biodynamica, 101
- MacFayden, Mary, Beauty Plus, 101
- Mackness, G. (Ed.), A Book of the 'Bounty', Wil-liam Bligh and Others, 470
- Madison, H. L., Wild Flowers of Ohio, 253
- Maller, J. B., School and Community, 472
- Malur, N. S. Rostum, The Blood of Arthropods, 149-191
- Mangham, S., and Hockley, A. R., Biology for Pharmaceutical Students and Others, 374
- Marie-Victorin, Frère, Phytogeographical Problems of Eastern Canada, 252
- Marine arthropods, blood of, 161
- Marking, of fish, 409
- Marquard, L., and Standing, T. G., The Southern Bantu, 350
- Marsh, L. C., *et al.*, Health and Unemployment, 236
- Marshall, J. F., The British Mosquitoes, 360
- Marshall, D. (Collaborator, P. F. Brandwein), Manual of Biology, 468
- Martin, P. L., American Animal Book, 361
- Masculinity, 119
- Mather, K., The Measurement of Linkage in Hered-ity, 70
- Matsner, E. M., The Technique of Contraception, 106
- Maturity, of salmon, 415
- Maximov, N. A., Plant Physiology, 92
- Maximow, A. A., and Bloom, Wm., A Textbook of Histology, 93
- McAttee, W. L., Wildfowl Food Plants, 363
- McClendon, J. F., Iodine and the Incidence of Goiter, 371
- McClintock, T., The Underwater Zoo, 358
- McCollum, E. V., *et al.*, The Newer Knowledge of Nutrition, 490
- McCady, E., Jr., The Embryology of the Opossum, 255
- McDermott, W. C., The Ape in Antiquity, 337
- McInerny, A. J., Through the Great Arid Filter, 68
- McKay, Helen M. (Ed.), The South African Drawings of William J. Burchell, Vol. I, 472
- McKee, E. D., The Environment and History of the Toroweap and Kaibab Formations of Northern Arizona and Southern Utah, 126
- Meiche, E., and Barrett, Marie, Characteristics and Classification of Animals, 89
- Melhus, I. E., and Kent, G. C., Elements of Plant Pathology, 483
- Mellanby, Helen, Animal Life in Fresh Water, 248
- Melland, F., Elephants in Africa, 476
- Menarche, 14, 204
- Messer, H. M., An Introduction to Vertebrate Anatomy, 93
- Metamorphosis, 169, 297
- Meyer, P., Colloidal Osmotic Pressure of Body Liquids, 376
- Michel-Durand, E., Phosphatides of Plants, 492
- The Phosphorus in Plants, 373
- Migration, of fish, 425
- Milbank Memorial Fund, Nutrition: The Newer Diagnostic Methods, 373
- Miller, D. F., and Blaydes, G. W., Methods and Materials for Teaching Biological Sciences, 229
- Miller, E. C., Plant Physiology, 361
- Mineral salts, in arthropod blood, 115
- Mitchell, H. L., The Growth and Nutrition of White Pine (*Pinus strobus* L.) Seedlings in Cul-tures with Varying Nitrogen, Phosphorus, Po-tassium and Calcium, 482
- Mitchell, P. H., A Textbook of General Physiology for Colleges, 98
- and Taylor, I. R., Laboratory Manual of General Physiology, 98
- Monsarrat, K. W., Human Powers and Their Rela-tions, 108
- Moore, Jane, Cityward Migration, 232
- Morénas, L., Morphology and Biology of the In-testinal Flagellata of Rats and Guinea Pigs, 343
- Morphogenesis, 302
- MORPHOLOGY (book reviews), 93, 254, 365, 484
- Morris, C. W., Foundations of the Theory of Signs, 112

- Morris, P. A., What Shell is That?, 361
 Morton, D. J., Oh, Doctor! My Feet!, 365
 Moulting, 304
 Moulton, F. R. (Ed.), Syphilis, 160
 Movements of salmon in the sea, 418
 Moyne, Lord, Atlantic Circle, 346
 Mudge, C. S., and Smith, F. R., A Fundamental Approach to Bacteriology, 363
 Muenscher, W. C., Poisonous Plants of the United States, 364
 Mukerjee, R., Food Planning for Four Hundred Millions, 241
 Müller, A., On the Descent of the Mammalian Gonads, 256
 Munn, N. L., A Laboratory Manual in General Experimental Psychology, 109
 Munns, E. N., The Distribution of Important Forest Trees of the United States, 254
 Мүнцке, F. Т., The Discovery of the Cell of Schwann in 1839, 387-407
 Myeline sheath, 396
 Myxoedema, 291

 Nagel, E., Principles of the Theory of Probability, 378
 Nature of plant-like flagellates, 1
 Neal, H. V., and Rand, H. W., Chordate Anatomy, 486
 Neblette, C. B., Photography, Its Principles and Practice, 384
 Needham, J., and Pagel, W. (Eds.), Background to Modern Science, 270
 Needham, P. R., Trout Streams, 358
 Nerve cylinder, 391
 sheath, 389
 tubes, 394
 Neurath, O. (Ed.), Encyclopedia and Unified Science, Vols. I and II, 112
 Neurilemma, 397
 NEW BIOLOGICAL BOOKS, 65-112, 226-271, 332-385, 460-499
 New England Naturalist, No. 1, 342
 Newman, H. H., The Phylum Chordata, 476
 Newstetter, W. I., Group Adjustment, 78
 Nice, Margaret M., The Watcher at the Nest, 358
 Nicol, H., Plant Growth-Substances, 253
 North, F. J., Finland in Summer, 81
 Northrop, J. H., Crystalline Enzymes, 492
 Nubility, 210
 Nutrition, methods of, 1
 photomesotrophic, 5
 photometatrophic, 5

 Oestrous, 19
 Okada, Y., A Catalogue of Vertebrates of Japan, 359

Oncorhynchus, 409
 Organic nerve fiber, 393
 Organisms in time, 275
 Orgler, H., Alfred Adler: The Man and His Work, 497
 Osmoregulation, 157
 Otto, R., *et al.* (Eds.), Chemistry and Physiology of Albumen, 492
 Ovulation, induced, 320
 Oxygen consumption, increase of, by dried tissues, 433

Paramis, 435
 Park, O., *et al.*, A Laboratory Introduction to Animal Ecology and Taxonomy, 477
 PARK, THOMAS, Plant and Animal Communities, 332-336
 Park, W. Z., Shamanism in Western North America, 83
 Perkins, A. E., and Whitaker, J. R., Our Natural Resources and Their Conservation, 468
 Partridge, W., Aids to Bacteriology, 90
 Paternity laws, 243
 Paterson, D. D., Statistical Technique in Agricultural Research, 378
 Pearl, Raymond, The Natural History of Population, 83
 PEARL, RAYMOND, and PEARL, MAUD D., The Prices of Biological Books, 500-502
 Pearse, A. S., Animal Ecology, 361
 et al., Fauna of the Caves of Yucatan, 246
 Pearson, E. S., Karl Pearson: An Appreciation of Some Aspects of His Life and Work, 354
 Pentelow, F. K. T., *et al.*, An Investigation of the Effects of Milk Wastes on the Bristol Avon, 248
 Permanent International Council for Exploration of the Sea, Vol. 108, Pts. I, II, III, 246
 Perry, R. B., In the Spirit of William James, 211
 Personality, in chimpanzee, 130
 Pfizenmayer, E. W., Siberian Man and Mammoth, 472
 Phagocytosis, 151
 Philby, H. St. J. B., Sheba's Daughters, 469
 Physiological processes, thyroid effect on, 293
 PHYTOLOGY AND PATHOLOGY (book reviews), 95, 256, 367, 486
 Picardo, C., Vaccination Against Early Senescence, 372
 Pickwell, G., Deserts, 467
 Piddington, R. A., The Next British Empire, 77
 Pincus, G., Sex and Internal Secretions, 460-464
 Pitt-Rivers, G. L.-F., The Czech Conspiracy, 353
 Plant tissues, effect of thyroid treatment, 433
 Poems of Richard De Veaux, 270
 Pollens, B., The Sex Criminal, 347

- Pollock, H. M., *et al.*, Hereditary and Environmental Factors in the Causation of Manic-Depressive Psychoses and Dementia Praecox, 496
- Polonovski, M. (Ed.), Annual Exposition of Medical Biochemistry, 376
- Pomerleau, R., The Life Cycle of *Gnemonia ulmus* (Schw.) Thüm, 363
- Population density, 35
growth, 36
- Portier, P., Physiology of Marine Animals, 367
- Potter, G. E., Textbook of Zoology, 244
- de Pradenne, A. V., Prehistory, 239
- Pratt, C. C., The Logic of Modern Psychology, 496
- Prenant, M., Biology and Marxism, 76
- Price, A. G., White Settlers in the Tropics, 345
- Prices of biological books, 500
- Priestley, J. H., and Scott, L. I., An Introduction to Botany, 364
- Primate dominance, 119
- Problem of cyclomorphosis in *Daphnia*, 137
of integration, 220
- Processes of evolution, 220
- Procter, W., Biological Survey of the Mount Desert Region, Part VI, 343
- Profiles in human biology, 113, 272
- Pryll, W., Economical Administration of Health Insurance Benefits, 352
- PSYCHOLOGY AND BEHAVIOR (book reviews), 107, 265, 379, 494
- Puberty, 13, 210
- Purkinje, 401
- Pym, T. W., Sex and Sense, 105
- Quayle, H. J., Insects of Citrus and Other Subtropical Fruits, 86
- Races of salmon, 414
- Rackham, H., Pliny. Natural History: with an English Translation, Vol. 1, Books I, II, 343
- Rama, 295, 311
- Rashevsky, N., Mathematical Biophysics, 106
- Rawdon-Smith, A. F., Theories of Sensation, 381
- Raymond, P. E., Prehistoric Life, 338
- Reinig, W. F., Elimination and Selection, 68
- Relation between diatoms and copepods as a factor in the productivity of the sea, 60
- Remak, 392
- Renner, F. G., *et al.*, A Selected Bibliography on Management of Western Ranges, Livestock, and Wild Life, 72
- Reproductive cycle, 142
- Rhesus monkey, 24
- Rice, T. B., A Textbook of Bacteriology, 90
- Richards, H. G., Animals of the Seashore, 87
- RICHARDSON, RICHARD, Profiles in Human Biology, I, and II, 113-114; III and IV, 272-274
- Ricketts, E. F., and Calvin, J., Between Pacific Tides, 477
- Ries, E., Foundations of Histological Physiology, 261
- Riesman, D., High Blood Pressure and Longevity, 100
- Riley, W. A., and Johannsen, O. A., Medical Entomology, 248
- Ritter, W. E., The California Woodpecker and I, 245
- Ritzman, E. G., and Benedict, F. G., Nutritional Physiology of the Adult Ruminant, 96
- Roberts, H., The Troubled Mind, 382
- Robertson, J. A., The Sprat and the Sprat Fishery of England, 84
- Robey, W. H., Health at Fifty, 372
- Robinson, G. C., The Patient as a Person, 488
- Rogers, C. G., Textbook of Comparative Physiology, 98
- Roman Committee for Malaria Control, Report of, 1921-1935, 369
- Rosett, J., The Mechanism of Thought, Imagery, and Hallucination, 379
- Roussy, G., Cancer, 372
- Rouvière, H., Anatomy of the Human Lymphatic System, 485
General Anatomy, 486
- Rubio, P., Patagonian Year, 241
- Rumney, J., The Science of Society, 241
- Russell, E. S., The Behavior of Animals, 266
(Ed.), Journal of the Permanent International Council for Exploration of the Sea, Vol. XIII, No. 3, 479
- Sait, Una B., New Horizons for the Family, 233
- Salle, A. J., Fundamental Principles in Bacteriology, 362
- Salme, 410
- Salt balance estimates, 457
- Samuels, J., The Female Cycle, 263
- Sanger, Margaret, Margaret Sanger, an Autobiography, 237
- Sanitary Commission of Egypt, Report on the 1938 Pilgrimage to Hedjaz, 243
- Sansome, F. W., Recent Advances in Plant Genetics, 467
- Saunders, E. R., Floral Morphology, 482
- Save, G., The Healing Knife, 83
- Saxon, E. J., Soil and Human Health, 468
- Sayles, L. P., Manual for Comparative Anatomy, 93
- Scales of fish, growth habits of, 423
- SCHNER, B. T., Homing Instinct in Salmon, 408-430
- Scheffers, G., Textbook of Mathematics, 378

- Scheidemann, N. V., Lecture Demonstrations for General Psychology, 382
- Scheinfeld, A., You and Heredity, 465
- Schmalhausen, I. I., The Organism as a Whole in Its Individual and Historic Development, 65
- Schmidt, K. P., Turtles of the Chicago Area, 89
- SCHNEIDER, B. A., Effects of Feeding Thyroid Substance, 289-310, 431-450
- Schneider, E. C., Physiology of Muscular Activity, 375
- Schneider, E., Human Types, Pts. I, II, III, 350
- Schrenkeisen, R., Field Book of Fresh-Water Fishes of North America North of Mexico, 248
- Schultz, B. K. (Ed.), Proceedings of the German Society for Race Investigations, Vol. 9, 475
- Schwann's cell, 387
- Schweitzer, A., African Notebook, 348
- Seals, 451
- Sea-tagging of salmon, 422
- Seguy, E., Life Histories of Flies and Mosquitoes, 245
- Seifriz, W., The Physiology of Plants, 254
- Seligmann, H. J., Race Against Man, 473
- Semmes, R., Crime and Punishment in Early Maryland, 356
- Serpentine cylinder, 395
- Sax (book reviews), 105, 262, 377, 492
- Sex and internal secretions, 460
- Sexual maturity, in mice, 20
development, premature, 211
- Shapiro, H. L., Migration and Environment, 349
- Shattuck, G. G., *et al.*, A Medical Survey of the Republic of Guatemala, 371
- Shuttleworth, F. K., The Adolescent Period, 84
- Simmons, J. S., *et al.*, Malaria in Panama, 490
- Simonnet, H., and Robey, M., The Corpus Luteum, 372
- Simpkins, R. B., The Basic Mechanics of Human Vision, 485
- Simpson, S. L., Major Endocrine Disorders, 101
- Sinnott, E. W., and Dunn, L. C., Principles of Genetics, 340
- Sir Joseph Banks Islands. McCoy Society Reports, Pt. I, 73; Pt. II, 468
- Skinner, B. F., The Behavior of Organisms, 107
- Slonaker, J. R., The Effect of Different Percentages of Protein in the Diet of Six Generations of Rats, 373
- Small, J. K., Ferns of the Southeastern States, 253
- Smith, A. D. Buchanan, The Genetics of the Pig, 229
- Smith, A. H., Common Edible and Poisonous Mushrooms of Southeastern Michigan, 364
- Smith, G., An Introduction to Industrial Mycology, 252
- Smithsonian Institution, Annual Report of the Board of Regents of the Smithsonian Institution (1937), 71
- Snedecor, G. W., Statistical Methods Applied to Experiments in Agriculture and Biology, 264
- Sobotak, H., The Chemistry of the Steroids, 104
- Social dominance and sexual status in the chimpanzee, 115
- Sollmann, T. H., and Hanzlik, P. J., Fundamentals of Experimental Pharmacology, 374
- Spawning grounds, 412
- Species specificity of the gonadotropic factors in vertebrates, 311
- Spence, K. W., The Solution of Multiple Choice Problems by Chimpanzees, 497
- Spengler, J. J., France Faces Depopulation, 235
- Stamp, L. D., Physical Geography and Geology, 231
- Stefansson, V., Unsolved Mysteries of the Arctic, 355
- Stempell, W., Animal Parasites of Man, 360
- Stephenson, Marjory, Bacterial Metabolism, 362
- Sterility, 13, 192, 211
- Stiebeling, Hazel K., and Phipard, Esther F., Diets of Families of Employed Wage Earners and Clerical Workers in Cities, 374
- Stiles, K. A., Handbook of Microscopic Characteristics of Tissues and Organs, 375
- Stirling, M. W., Historical and Ethnographical Material on the Jivaro Indians, 79
- Strain, H. H., Leaf Xanthophylls, 251
- Strausbaugh, P. D., and Weimer, B. R., A Manual for the Biology Laboratory, 71
- Stroud, J. B., Introduction to General Psychology, 109
- Stuart, H. C., and Staff. Studies from the Center for Research in Child Health and Development, Harvard University, I., 488.
- Subordinate individuals, 121
- Szondi, L., Contributions to Fate Analysis. I. Analysis of Marriage, 264
- Tagging, of fish, 409
- Taylor, J. L., Educational Foundations, 385
- Taylor, F. S., The March of Mind, 498
- Taylor, J. G., Popular Psychological Fallacies, 107
- Terman, L. M., *et al.*, Psychological Factors in Marital Happiness, 494
- Thomas, Dorothy S., *et al.*, Research Memorandum on Migration Differentials, 232
- Thomas, J. O., and Davies, L. J., Common British Grasses and Legumes, 254
- Thompson, R. C., Genetic Relations of Some Color Factors in Lettuce, 229
- Thooris, A., Somatology in Medicine, 366
- Thorndike, E. L., Your City, 470
- Thyroid feeding, 289, 431
gland, chemistry of, 289

- Thyroxin, 297, 431
 Tiffany, L. H., *Algae: The Grass of Many Waters*, 253
 Tinker, M. A., and Baker, K. H., *Introduction to Methods in Experimental Psychology*, 109
 Timme, W., *et al.* (Eds.), *The Pituitary Gland*, 101
 Tompkins, Jane, *Moo-Wee, The Musk-Ox*, 360
 Tornay, S. C., *Ockham; Studies and Selections*, 75
 TORREY, T. W., *Organisms in Time*, 275-288
 Tout, H., *The Standard of Living in Bristol*, 356
 Trophic nature of the plant-like flagellates, 1
Tribolium, 37
 Trudel, W., *The Alamanni of Elgg*, 241
 Turner, C. E., *Personal and Community Health*, 489
Principles of Health Education, 374
 Tyrell, G. N. M., *Science and Psychical Phenomena*, 497

 Urine secretion, 457
 U. S. Department of Labor, Children's Bureau, *Proceedings of Conference on Better Care for Mothers and Babies*, 243
on Infant Care, 243
Paternity, 243
State Child-Welfare Services, 243

 Valentin, G., 399
 Vance, R. B., *Research Memorandum of Population Redistribution within the United States*, 231
 Van Dersal, W. R., *Native Woody Plants of the United States, Their Erosion-Control and Wildlife Values*, 363
 Van Dyke, H. B., *The Physiology and Pharmacology of the Pituitary Body*, Vol. II, 490
 Van Nostrand's *Scientific Encyclopedia*, 270
 Vedder, H., *South West Africa in Early Times*, 355
 Verdoorn, Fr., *et al.*, *Manual of Pteridology*, 92
 Verrill, A. P., *Wonder Plants and Plant Wonders*, 481

 Waddell, J. A., and Haag, H. B., *Alcohol in Moderation and Excess*, 369
 Waksman, S. A., *Humus*, 365
 Walker, A. E., *The Primate Thalamus*, 94
 Wall, N. J., and Engquist, E. J., *A Graphic Summary of Agricultural Credit*, 357
 Walter, H. E., *Biology of the Vertebrates*, 476
Genetics, 69
 Walton, R. P., *Marihuana*, 258
 Ward, F. K., *Plant Hunter's Paradise*, 91
 Water balance in marine mammals, 451
 Waterman, N., *Diet and Cancer*, 95
 Watkeys, C. W. (Ed.), *An Orientation in Science*, 110
 Watson, D. L., *Scientists Are Human*, 268
 Wauchope, R., *Modern Maya Houses*, 240

 Waugh, A. E., *Laboratory Manual and Problems for Elements of Statistical Method*, 106
 Webb, W. S., *An Archaeological Survey of the Norris Basin in Eastern Tennessee*, 240
 Wecster, D., *Edmund Burke and His Kinsmen*, 354
 Weight and dominance, 129
 Wellhouse, W. H., and Hendrickson, G. O., *College Biology*, 468
 Wethered, H. N., *The Mind of the Ancient World*, 109
 Whales, 451
 Wheeler, W. F., *Text-Book of Zoology*, 244
 Wheeler, W. M., *Essays in Philosophical Biology* (Selected by G. H. Parker), 341
 Whillis, J., *Elementary Anatomy and Physiology*, 367
 White, E. Grace, *A Laboratory Manual of General Biology*, 73
 White, Wendell, *The Psychology of Making Life Interesting*, 496
 Whitehead, A. N., *Modes of Thought*, 269
 Wieman, H. L., *General Zoology*, 89
 Wile, I. S., *Personality Development and Social Control in Terms of Constitution and Culture*, 495
 Williams, J. J., S. J., *Africa's God. IX. South Africa*, 79
Africa's God. X. Conclusion, 234
The Maroons of Jamaica, 349
Thoughts on Evolution, 464
 Williams, R. R., and Spies, T. D., *Vitamin B₁ (Thiamin) and Its Use in Medicine*, 97
 Williams, S. H., *A Laboratory and Field Guide to Biology*, 71
 Willis, L. G. (Compiled by), *Bibliography of References to the Literature of the Minor Elements and Their Relation to Plant and Animal Nutrition*, 497
 Wilmarth, M. Grace (Compiled by), *Lexicon of Geologic Names of the United States (including Alaska)*, 464
 Wilson, Maud, *Housing Requirements of Farm Families in the United States*, 475
 Wilson, R. W., *et al.*, *Studies on Cenozoic Vertebrates of Western North America*, 227
 Wilton, G. W., *Fingerprints; History, Law and Romance*, 486
 Wolf, A., *A History of Science, Technology, and Philosophy in the Eighteenth Century*, 383
 Woltereck, 121, 224
 Wood, L. F. (with R. L. Dickinson), *Harmony in Marriage*, 377
 Wood, T., *Cobbers*, 235
 Woofter, T. J., Jr., and Winston, Ellen, *Seven Lean Years*, 473
 Worthington, E. B., *Science in Africa*, 385

INDEX

513

- Woytinsky, W. S., Labor in the United States, 238
- Wrench, G. T., The Wheel of Health, 257
- Wright, E. C. B., General Plant Physiology, 361
- YERKES, R. M., Social Dominance and Sexual Status in the Chimpanzee, 115-136
- Youngken, H. W., A College Textbook of Pharmaceutical Botany, 91
- Zeiger, K., Physiochemical Factors in Histological Techniques, 95
- Ziervogel, C., Brown South Africa, 237
- Zimmermann, W., Inheritance of Acquired Characters, 339
- Zinsser, H., *et al.*, Immunity, 368
- Zoologica, 87, 247, 339, 478
- ZOOLOGY (book reviews), 84, 243, 357, 476
- Zooplankton, grazing activity of, 61